

AMENDMENTS TO THE CLAIMS

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Claim 1 (Currently Amended) A communication system, comprising:

first storage means for storing a plurality of pieces of content information;

second storage means for storing a plurality of pieces of content information;

control means for accessing said content information stored in said first storage means and said second storage means based on a single set of management information for managing said content information stored in said first storage means and said second storage means;

communication means for interconnecting said first storage means, said second storage means, and said control means for communication; and

accounting setting means for setting an amount of a fee to be imposed on a predetermined user in ~~response to use of said first storage means or~~ accordance with a capacity of use of said second storage means by said user.

Claim 2 (Previously Presented) The communication system according to claim 1, wherein said control means accesses said content information stored at a predetermined physical address of each of said first storage means and said second storage means based on said single set of management information described with a logical address corresponding to said

physical address.

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Claim 3 (Previously Presented) The communication system according to claim 2, further comprising selection means for selecting at least one of said plurality of pieces of content information stored in said second storage means, wherein said control means controls so that one or more of said plurality of pieces of content information selected by said selection means may be copied or moved from said second storage means to said first storage means through said communication means.

Claim 4 (Previously Presented) The communication system according to claim 3, wherein said control means searches for a logical address of said management information corresponding to said one or more of said plurality of pieces of content information selected by said selection means, converts said logical address into a physical address of said second storage means and accesses said second storage means based on said physical address.

Claim 5 (Previously Presented) The communication system according to claim 3, further comprising erasure means for erasing one or more of said plurality of pieces of content information stored in said first storage means, wherein where a contents ID of said content information erased by said erasure means is managed with said management information, when said information corresponding to said contents ID is

again transferred from said second storage means to said first storage means by said control means said accounting setting means does not set said amount of said fee to be imposed on said user who has issued a request for said transfer.

Claim 6 (Previously Presented) The communication system according to claim 3, further comprising erasure means for erasing one or more said pieces of said plurality of pieces of content information stored in said first storage means, wherein where a contents ID of the contents information erased by said erasure means is managed with the management information, when said content information corresponding to said contents ID is again transferred from said second storage means to said first storage means by said control means said accounting setting means sets a smaller amount of said fee to be imposed on said user who has issued a request for said transfer than a normal fee.

Claim 7 (Cancelled)

Claim 8 (Previously Presented) The communication system according to claim 7, further comprising setting means for setting said capacity of use for said second storage means, wherein said accounting setting means sets said amount of said fee to be imposed on said user in accordance with said capacity of use of said user set by said setting means.

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Claim 9 (Previously Presented) The communication system according to claim 8, wherein said setting means adaptively sets said capacity of use used by said user based on said management information for managing said second storage means, and said accounting setting means sets said amount of said fee to be imposed on said user in accordance with said capacity of use of said user set by said setting means.

Claim 10 (Currently Amended) The communication system according to claim 7 1, wherein said accounting setting means stores said amount of said fee to be imposed on said user in accordance with said capacity of use of said second storage means by said user in a database for each said user in said second storage means.

Claim 11 (Previously Presented) The communication system according to claim 10, wherein said control means controls such that said imposed amount of said fee stored for each said user in said database and a user ID of said user are transmitted to an external settlement center.

Claim 12 (Previously Presented) The communication system according to claim 1, further comprising authentication means for verifying access to said second storage means by said control means.

Claim 13 (Previously Presented) The communication system

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according to claim 12, wherein said second storage means stores a plurality of said user IDs, and said authentication means compares said user ID with which said second storage means is accessed and said plurality of said user IDs to authenticate said user who has accessed said second storage means.

Claim 14 (Previously Presented) A communication method, comprising the steps of:

accessing contents information stored in first storage means and second storage means based on a single set of management information for managing said content information stored in said first storage means and said second storage means; and

setting an amount of a fee to be imposed on a user of said first storage means or said second storage means in response to a capacity of use of said first storage means or said second storage means by said user.

Claim 15 (Currently Amended) A distribution apparatus, comprising:

storage means for storing a plurality of pieces of content information;

communication means for connecting said distribution apparatus for communication to an external apparatus;

accounting setting means for setting an amount of a fee to be imposed on a user who requests use of said storage means

from said external apparatus in response to a capacity of use of said storage means by said user; and

control means for accessing said contents information stored in said storage means based on management information for managing said contents information stored in said storage means in response to a user request by a user from said external apparatus,

wherein said control means produces management information for each said user in response to access to said content information in accordance with said user request and stores said produced management information into said storage means, said management information including at least an ID of said user and an address representative of a storage location of said content information stored in said storage means.

Claim 16 (Cancelled)

Claim 17 (Previously Presented) The distribution apparatus according to claim 15, wherein said control means accesses said contents information stored at a predetermined physical address of said storage means based on said management information described with a logical address corresponding to said physical address.

Claim 18 (Currently Amended) The distribution apparatus according to claim ~~16~~ 15, wherein said control means controls such that one or more of said plurality of pieces of said

content information selected by said user by using said external apparatus may be copied or moved from said storage means to said external apparatus through said communication means.

Claim 19 (Previously Presented) The distribution apparatus according to claim 18, wherein said control means searches for a logical address of said management information corresponding to said one or more of said plurality of pieces of content information selected by said selection means, converts said logical address into a physical address of said storage means, and accesses said storage means based on said physical address.

Claim 20 (Previously Presented) The distribution apparatus according to claim 18, wherein when contents information stored in said external apparatus is erased and said content ID is managed with said management information and when said content information corresponding to said content ID is transferred from said storage means to said external apparatus again by said control means, said accounting setting means does not set said amount of said fee to be imposed on said user who has issued said request for said transfer.

Claim 21 (Previously Presented) The distribution apparatus according to claim 18, wherein when said content

information stored in said external apparatus is erased and said content ID is managed with said management information and when said content information corresponding to said content ID is transferred from said storage means to said external apparatus again by said control means, said accounting setting means sets a smaller than a predetermined amount of said fee to be imposed on said user who has issued said request for said transfer.

Claim 22 (Currently Amended) The distribution apparatus according to claim ~~16~~ 15, wherein said accounting setting means sets said amount of said fee to be imposed on said user in accordance with a capacity of use of said storage means by said user.

Claim 23 (Previously Presented) The distribution apparatus according to claim 22, further comprising setting means for setting said capacity of use for said storage means, wherein said accounting setting means sets said amount of said fee to be imposed on said user in accordance with said capacity of use of said user set by said setting means.

Claim 24 (Previously Presented) The distribution apparatus according to claim 23, wherein said setting means adaptively sets said capacity of use used by said user based on said management information for managing said storage means, and said accounting setting means sets said amount of

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said fee to be imposed on said user in accordance with said capacity of use of said user set by said setting means.

Claim 25 (Previously Presented) The distribution apparatus according to claim 22, wherein said accounting setting means stores said amount of said fee to be imposed on said user in accordance with said capacity of use of said storage means by said user in a database for each said user in said storage means.

Claim 26 (Previously Presented) The distribution apparatus according to claim 25, wherein said control means controls such that said imposed amount of said fee stored for each said user in said database and an ID of said user are transmitted to an external settlement center.

Claim 27 (Previously Presented) The distribution apparatus according to claim 15, further comprising authentication means for verifying an access to said storage means by said control means.

Claim 28 (Previously Presented) The distribution apparatus according to claim 27, wherein said storage means stores a plurality of user IDs, and said authentication means compares said user IDs with which said storage means is accessed and said plurality of user IDs to authenticate said user who has accessed said storage means.

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Claim 29 (Previously Presented) A distribution method for distributing desired content information in response to a user request, comprising the steps of:

accessing said content information stored in storage means based on management information for managing said content information stored in said storage means in response to said user request from an external apparatus;

producing management information for each said user in response to said access to said content information; and

transmitting said accessed content information to said external apparatus,

wherein said management information includes an ID of said user and an address representative of a storage location of said information stored in said storage means.

Claim 30 (Currently Amended) A terminal apparatus for receiving content information from a distribution apparatus, comprising:

storage means for storing a plurality of pieces of said content information;

communication means for receiving a plurality of content IDs stored in said distribution apparatus from said distribution apparatus and transmitting at least one said content ID to said distribution apparatus in response to a user request;

selection means for selecting one content ID of said

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plurality of content IDs received by said communication means;  
and

control means for controlling said communication means to transmit said at least one content ID to said distribution apparatus in response to said user request and storing addresses corresponding to said content IDs received from said distribution apparatus into said storage means,

wherein said control means controls said communication means to transmit said addresses stored in said storage means to said distribution apparatus when said terminal apparatus requests said content information corresponding to said content ID from said distribution apparatus; and

said control means controls said communication means to transmit said content ID selected by said selection means to said distribution apparatus.

Claim 31 (Previously Presented) The terminal apparatus according to claim 30, wherein said control means stores a logical address corresponding to a predetermined physical address of a storage medium provided in said distribution apparatus at which said content information received in response to said user request by said communication means is stored into said storage means.

Claim 32 (Previously Presented) The terminal apparatus according to claim 31, wherein said logical address is included in a piece of management information which is used

commonly by said distribution apparatus and said terminal apparatus.

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Claim 33 (Previously Presented) The terminal apparatus according to claim 32, wherein said control means extracts said logical address included in said management information corresponding to content ID in response to said user request, and transmits said logical address to said distribution apparatus.

Claim 34 (Cancelled)

Claim 35 (Previously Presented) A communication method for receiving content information from a distribution apparatus, comprising the steps of:

receiving a plurality of content IDs stored in said distribution apparatus from said distribution apparatus;

transmitting one or more content IDs to said distribution apparatus in response to a user request;

storing addresses corresponding to said one or more content IDs received from said distribution apparatus into storage means; and

transmitting said addresses stored in said storage means to said distribution apparatus when a request to re-send said content information corresponding to any of said contents IDs is issued.

Claim 36 (Currently Amended) A communication system,  
comprising:

a terminal apparatus including first storage means for  
storing a plurality of pieces of content information;

a distribution apparatus including second storage means  
for storing said plurality of pieces of said content  
information;

communication means for interconnecting said terminal  
apparatus and said distribution apparatus;

storage control means for placing a content ID stored in  
said second storage means into purchase information managed  
for each said terminal apparatus and stored in said second  
storage means in response to a request from said terminal  
apparatus;

access control means for controlling access to said  
content information corresponding to said content ID stored in  
said second storage means in response to said purchase  
information; and

accounting setting means for setting an amount of a fee  
to be imposed on said terminal apparatus in response to said  
purchase information, wherein

said accounting setting means does not set said amount of  
said fee to be imposed on said terminal apparatus when said  
content ID is placed in said purchase information and said  
content information corresponding to said content ID stored in  
said second storage means is accessed by said access control  
means.

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Claim 37 (Previously Presented) The communication system according to claim 36, wherein said access control means permits access to said content information corresponding to said content ID stored in said second storage means when said content ID is included in said purchase information.

Claim 38 (Cancelled)

Claim 39 (Previously Presented) The communication system according to claim 36, wherein said storage control means stores access history information into said second storage means in response to access to said content information by said access control means, and said accounting setting means sets said amount of said fee to be imposed on said terminal apparatus based on said access history information.

Claim 40 (Previously Presented) The communication system according to claim 36, wherein said distribution apparatus includes said storage control means.

Claim 41 (Previously Presented) A communication method for communication between a distribution apparatus and a terminal apparatus, comprising the steps of:

placing a content ID stored in storage means of said distribution apparatus into purchase information managed for each said terminal apparatus and stored in said storage means

of said distribution apparatus in response to a request from said terminal apparatus;

controlling access to information corresponding to said content ID stored in said storage means of said distribution apparatus in response to said purchase information;

transmitting said contents information from said distribution apparatus to said terminal apparatus in response to said access; and

setting an amount of a fee to be imposed on said terminal apparatus in response to said purchase information.


Claim 42 (Previously Presented) A distribution apparatus connected for communication to a terminal apparatus, comprising:

storage means for storing a plurality of pieces of content information;

storage control means for placing a content ID stored in said storage means into purchase information managed for each said terminal apparatus and stored in said storage means in response to a request from said terminal apparatus;

access control means for controlling access to said content information corresponding to said ID stored in said storage means in response to said purchase information; and

accounting setting means for setting an amount of a fee to be imposed on said terminal apparatus in response to said purchase information.

 Claim 43 (Previously Presented) A communication system having a terminal apparatus, a distribution terminal apparatus and a server apparatus interconnected for communication, comprising:

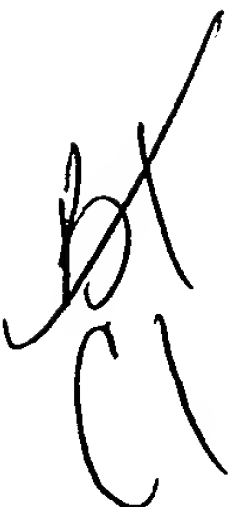
a first storage medium provided in said server apparatus for storing a plurality of pieces of content information;

a second storage medium provided in said distribution terminal apparatus for storing said plurality of pieces of content information;

a third storage medium provided in said terminal apparatus for storing said plurality of pieces of content information; and

a controller for controlling access to any of said first, said second, and said third storage media based on management information for managing said content information stored in at least two of said first, said second, and said third storage media with a single logical memory map.

Claim 44 (Previously Presented) The communication system according to claim 43, wherein said management information includes first management information for managing said content information stored in said first storage medium and said second storage medium with a single said logical memory map, and second management information for managing said content information stored in said second storage medium and said third storage medium with another said logical memory map.

 Claim 45 (Previously Presented) The communication system according to claim 43, wherein said management information includes shared management information for managing said content information stored in said first, said second, and said third storage media with a single said logical memory map.

Claim 46 (Previously Presented) The communication system according to claim 44, wherein said first management information is stored in said storage means of at least one of said server apparatus and said distribution terminal apparatus, and said second management information is stored in said storage means of at least one of said distribution terminal apparatus and said terminal apparatus.

Claim 47 (Previously Presented) The communication system according to claim 43, wherein said controller accesses said content information stored at a predetermined physical address of each of said first and said second storage media based on said management information described with a logical address corresponding to said physical address.

Claim 48 (Previously Presented) The communication system according to claim 47, further comprising a selection section for selecting one or more of said plurality of pieces of content information stored in said first storage medium or

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said second storage medium in response to a user request to said terminal apparatus, wherein said controller searches for a logical address of said management information corresponding to said one or more of said plurality of pieces of content information selected by said selection section, converts said logical address into a physical address of said first storage medium or said second storage medium and accesses said first storage medium or said second storage medium based on said physical address.

Claim 49 (Previously Presented) The communication system according to claim 43, wherein said first storage medium is a hard disk and said third storage medium is a semiconductor memory.

Claim 50 (Previously Presented) The communication system according to claim 43, wherein said information is digital audio data.

Claim 51 (Previously Presented) The communication system according to claim 50, wherein said digital audio data is compressed data.

Claim 52 (Previously Presented) The communication system according to claim 51, wherein said digital audio data is data compressed in an ATRAC format.

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REMARKS